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APRIL 22, 2004

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\*700078554\*

BIOGEN IDEC  
RAYMOND G. ARNER  
MANAGER INTELLECTUAL PROPERTY  
14 CAMBRIDGE CENTER  
CAMBRIDGE, MA 02142

UNITED STATES PATENT AND TRADEMARK OFFICE  
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RECORDATION DATE: 04/15/2004

REEL/FRAME: 014520/0982  
NUMBER OF PAGES: 17

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

BIOGEN IDEC MA, INC.

DOC DATE: 12/03/2003

## ASSIGNEE:

BIOGEN IDEC MA INC.  
14 CAMBRIDGE CENTER  
CAMBRIDGE, MASSACHUSETTS 02142

SERIAL NUMBER:  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

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PATENT NUMBER:FILING DATE:  
ISSUE DATE:SERIAL NUMBER: 09423018,  
PATENT NUMBER:FILING DATE: 10/12/2000  
ISSUE DATE:SERIAL NUMBER:  
PATENT NUMBER:FILING DATE:  
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ISSUE DATE:SERIAL NUMBER:  
PATENT NUMBER:FILING DATE:  
ISSUE DATE:SERIAL NUMBER: 09826716  
PATENT NUMBER:FILING DATE: 04/05/2001  
ISSUE DATE:SERIAL NUMBER:  
PATENT NUMBER:FILING DATE:  
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PATENT NUMBER:FILING DATE:  
ISSUE DATE:SERIAL NUMBER:  
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PATENT NUMBER:FILING DATE:  
ISSUE DATE:SERIAL NUMBER:  
PATENT NUMBER:FILING DATE:  
ISSUE DATE:SERIAL NUMBER: 10625260  
PATENT NUMBER:FILING DATE: 07/22/2003  
ISSUE DATE:SERIAL NUMBER: 09996738  
PATENT NUMBER:FILING DATE: 11/30/2001  
ISSUE DATE:SERIAL NUMBER:  
PATENT NUMBER:FILING DATE:  
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SHARON BROOKS, EXAMINER  
ASSIGNMENT DIVISION  
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): Biogen Idec MA, Inc. 14 Cambridge Center Cambridge, MA 02142  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Name: <u>Biogen Idec MA Inc.</u>  Internal Address: _____  Street Address: <u>14 Cambridge Center</u>  City: <u>Cambridge</u> State: <u>MA</u> Zip: <u>02142</u>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input checked="" type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  Execution Date: <u>12/3/03</u>					
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) <u>See attached</u> B. Patent No.(s) _____  Additional numbers attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Manager Intellectual Property</u>  Internal Address: _____  Street Address: <u>Biogen Idec</u> <u>14 Cambridge Center</u>  City: <u>Cambridge</u> State: <u>MA</u> Zip: <u>02142</u>			6. Total number of applications and patents involved: <u>13</u> 7. Total fee (37 CFR 3.41).....\$ <u>5,200.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: <u>02-2327</u>		
DO NOT USE THIS SPACE					
9. Signature.  <div style="display: flex; justify-content: space-between;"><div>Raymond G. Amer Name of Person Signing</div><div> Signature</div><div><u>4-15-04</u> Date</div></div> Total number of pages including cover sheet, attachments, and documents: <u>9</u>					

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003/020

RTMA Ref. No.

Serial No.

A018

09/423018

WMA Ref. No.

Serial No.

A062

09/826716

A073 CON2

10/625260

A076

09/996738



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## Patent Assignment Abstract of Title

***NOTE: Results display only for issued patents and published applications.  
For pending or abandoned applications please consult USPTO staff.***

**Total Assignments: 1**

**Patent #:** NONE

**Issue Dt:**

**Application #:** 10625260 **Filing Dt:** 07/22/2003

**Publication #:** US20040037827 **Pub Dt:** 02/26/2004

**Inventors:** Philip J. Gotwals, Victor Kotelianski

**Title:** Method for the treatment of fibrosis

**Assignment: 1**

**Reel/Frame:** 014520/0982

**Recorded:** 04/15/2004

**Pages:** 17

**Conveyance:** CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

**Assignor:** BIOGEN IDEC MA, INC.

**Exec Dt:** 12/03/2003

**Assignee:** BIOGEN IDEC MA INC.

14 CAMBRIDGE CENTER  
CAMBRIDGE, MASSACHUSETTS 02142

**Correspondent:** BIOGEN IDEC

RAYMOND G. ARNER  
MANAGER INTELLECTUAL PROPERTY  
14 CAMBRIDGE CENTER  
CAMBRIDGE, MA 02142

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## Assignments on the Web > Patent Query

### Patent Assignment Abstract of Title

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For pending or abandoned applications please consult USPTO staff.***

#### Total Assignments: 2

**Patent #:** NONE

**Issue Dt:**

**Application #:** 09996738 **Filing Dt:** 11/30/2001

**Publication #:** US20020146417 **Pub Dt:** 10/10/2002

**Inventors:** Philip Gotwals, Antonin De Fougères, Roy Lobb, Victor Kotelianski

**Title:** Method for the treatment of inflammatory disorders

#### Assignment: 1

**Reel/Frame:** 012984/0487

**Recorded:** 06/12/2002

**Pages:** 3

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors:** GOTWALS, PHILIP

DEFOUGEROLLES, ANTONIN

LOBB, ROY

KOTELIANSKI, VICTOR

**Exec Dt:** 12/03/2001

**Exec Dt:** 11/29/2001

**Exec Dt:** 11/29/2001

**Exec Dt:** 11/29/2001

**Assignee:** BIOGEN, INC.

14 CAMBRIDGE STREET  
CAMBRIDGE, MASSACHUSETTS 02142

**Correspondent:** BIOGEN, INC.

JOHN T. LI  
14 CAMBRIDGE CENTER  
CAMBRIDGE MA 02142

#### Assignment: 2

**Reel/Frame:** 014520/0982

**Recorded:** 04/15/2004

**Pages:** 17

**Conveyance:** CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

**Assignor:** BIOGEN IDEC MA, INC.

**Assignee:** BIOGEN IDEC MA INC.

14 CAMBRIDGE CENTER  
CAMBRIDGE, MASSACHUSETTS 02142

**Exec Dt:** 12/03/2003

**Correspondent:** BIOGEN IDEC

RAYMOND G. ARNER  
MANAGER INTELLECTUAL PROPERTY  
14 CAMBRIDGE CENTER  
CAMBRIDGE, MA 02142

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**ASSIGNMENT**

WHEREAS, I (we) Philip Gotwals and Roy R. Lobb, have invented Method for the Treatment of Fibrosis Using An Antagonist of the Integrin Alpha-4 Subunit described in an application for Letters Patent of the United States, the specification of which:

- ☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;
- ☒ was filed on April 21, 2000 as Application No. 09/557,092; PCT/US00/10781 filed on April 21, 2000; 60/137,214 filed on June 1, 1999 and 60/130,847 filed on April 22, 1999.
- ☐ was patented under U.S. Patent No. [ ] on [ ].

WHEREAS, **Biogen, Inc.** ("ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **Fourteen Cambridge Center, Cambridge, Massachusetts 02142** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application including any divisions, continuations and continuations-in-part thereof, and such Letters Patent of the United States, and of foreign countries, as may issue thereon or claim priority therefrom; and in and to any and all renewals, reissues, reexaminations and extensions thereof; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent including, without limitation, any and all priority rights, convention rights and order benefits accruing or to accrue to assignee with respect to the filing of applications for patents in the United States and countries foreign thereto. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation and continuation-in-part applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: \_\_\_\_\_

*Philip Gotwals*

Philip Gotwals

State/Commonwealth \_\_\_\_\_

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named Philip Gotwals and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 9<sup>th</sup> day of October, 2002.

(SEAL)

*Patricia A. Hyster* Notary Public  
PATRICIA A. HYSTER (print name)

My Commission expires 5/19/06

---

Inventor's Signature: \_\_\_\_\_

Roy R. Lobb

State/Commonwealth

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named Roy R. Lobb and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 27<sup>th</sup> day of September, 2002.

(SEAL)

Patricia A. Hofstetter

Notary Public

PATRICIA A. HOFSTETTER

(print name)

My Commission expires 5/19/06

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Doc #11471

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<b>1. Name of conveying party(ies):</b> Philip Gotwals, Antonin DeFougerolles, Roy Lobb and Victor Kotelianski  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>2. Name and address of receiving party(ies)</b> Name: <u>Biogen, Inc.</u>  Internal Address: _____  Street Address: <u>14 Cambridge Street</u>  City: <u>Cambridge</u> State: <u>MA</u> Zip: <u>02142</u>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Gotwals on 3 Dec 2001; Lobb, DeFougerolles and Kotelianski on 29 Nov 2001 Execution Date: _____	

<b>4. Application number(s) or patent number(s):</b> If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) PCT/US00/15004; 60/185,336; 60/137,038, and 09/996,738 B. Patent No.(s)  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b> Name: <u>John T. Li</u>  Internal Address: _____  Street Address: <u> BIOGEN, INC.</u> <u>14 Cambridge Center</u> City: <u>Cambridge</u> State: <u>MA</u> Zip: <u>02142</u>	<b>6. Total number of applications and patents involved:</b> <u>4</u>  <b>7. Total fee (37 CFR 3.41).....\$</b> <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <b>8. Deposit account number:</b> <u>02-2327</u>  (Attach duplicate copy of this page if paying by deposit account)
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<b>9. Statement and signature.</b> <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>  John T. Li Name of Person Signing   Signature  6-4-01 Date  Total number of pages including cover sheet, attachments, and documents: <u>7</u>		
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**ASSIGNMENT**

WHEREAS, We Philip Gotwals, Antonin De Fougerolles, Roy Lobb, and Victor Kotelianski, have invented Method for the Treatment of Inflammatory Disorders described in an application for Letters Patent of the United States, the specification of which:

- ☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;
- ☒ was filed on June 1, 2000 as Application No. PCT/US00/15004; 60/185,336 filed on February 29, 2000, 60/137,038 filed on June 1, 1999 and 09/996,738 filed on November 30, 2001.
- ☐ was patented under U.S. Patent No. [ ] on [ ].

WHEREAS, Biogen, Inc. ("ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at Fourteen Cambridge Center, Cambridge, Massachusetts 02142 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application including any divisions, continuations and continuations-in-part thereof, and such Letters Patent of the United States, and of foreign countries, as may issue thereon; and in and to any and all renewals, reissues, reexaminations and extensions thereof; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent including, without limitation, any and all priority rights, convention rights and order benefits accruing or to accrue to assignee with respect to the filing of applications for patents in the United States and countries foreign thereto. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation and continuation-in-part applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

=====

Inventor's Signature: \_\_\_\_\_

State/Commonwealth

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named Philip Gotwals and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 3<sup>rd</sup> day of December, 2001.

(SEAL)

Patricia A. Hoffstetter Notary Public  
PATRICIA A. HOFFSTETTER (print name)  
 My Commission expires 5/19/06

=====

Inventor's Signature: \_\_\_\_\_

Antonin de Fougerolles

State/Commonwealth

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named Antonin De Fougerolles and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 29<sup>th</sup> day of November, 2001.

(SEAL)

Patricia A. Hofstetter

Notary Public

PATRICIA A. HOFSTETTER (print name)

My Commission expires 5/19/06

Inventor's Signature: \_\_\_\_\_

RLS

State/Commonwealth

Of Massachusetts

County of Middlesex

Then personally appeared before me the above-named Roy Lobb and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 29<sup>th</sup> day of November, 2001.

(SEAL)

Patricia A. Hofstetter

Notary Public

PATRICIA A. HOFSTETTER (print name)

My Commission expires 5/19/06



Inventor's Signature: \_\_\_\_\_

*Victor*

State/Commonwealth

Of \_\_\_\_\_

*Massachusetts*

County of \_\_\_\_\_

*Middlesex*

Then personally appeared before me the above-named Victor Koteliansky and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 29th day of November, 2001.

*VR*

(SEAL)

*Patricia A. Hefstetter*

Notary Public

*PATRICIA A HEFSTETTER* (print name)

My Commission expires 5/17/02

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